

High performance series Terminal box S-G05 Complementary equipment



- For connection of micro annular gear pumps m zr-2905 / 4605 / 7205, m zr-6355 / 7255
- Compact plastic case
- Easy handling potentiometer, standard connectors
- Standard interface 0-10 V, 0(4)-20 mA
- Serial interface RS-232
- Two colored LED status indicator
- 24 V power supply over screw terminal or DIN socket
- Integrated EMC module

The terminal box S-G05 is provided in combination with the standard high performance pumps m zr-2905, m zr-4605, m zr-7205 and the hermetic, chemically inert pumps m zr-6355, m zr-7255. The terminal box allows control of the pump with a potentiometer. As an alternative the pump can be

remotely controlled with an external analog voltage signal 0–10 V, an external current signal (0...20 mA or 4...20 mA) or with a RS-232 interface. To set all operating parameters including calibration, ramp, step, speed, dis-pense/pause times and flow direc-tion an adapted software with a

serial interface RS-232 is delivered. The CE-conform installation in-cludes an EMC module. The ter-minal box and micro annular gear pump can be provided optionally with an external 24 V DC power supply.

Technical data

Supply voltage U_B	24 V DC (12 - 28 V)
Voltage connector	screw terminal, 2-pole, grid 3.5 mm and DIN 45323 socket
Pump connector	screw terminal, 8-pole, grid 3.5 mm
Serial interface	RS-232, SUB-D plug, 9-pole
Speed value-input »Analog Extern« optionally adjustable with DIP-switches	internal potentiometer 10 k Ω voltage signal 0...10 V current signal 0...20 mA or 4...20 mA
Status LED	Ready: green Fault: red
Output »Fault Out«	open collector max. U_B / 20 mA no error: high-level
Protective class	IP 20
Operating temperature range	0 ... 50 °C (32 ... 122 °F)
Measurements (L x B x H)	approx. 100 x 90 x 35 mm
Weight	approx. 125 g

Subject to technical changes.

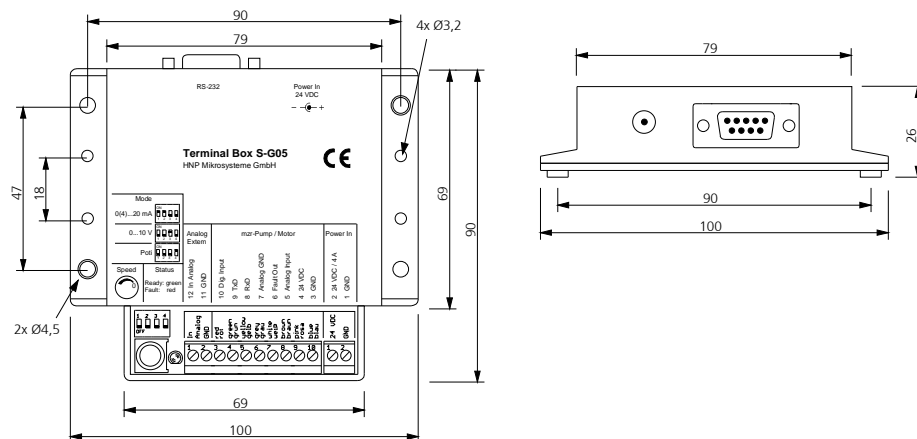
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Measurements



Subject to technical changes.

Item number

68 03 01 09	Terminal box S-G05 for micro annular gear pumps m zr-2905, m zr-4605, m zr-7205, m zr-6355 and m zr-7255
68 01 01 00	external 24 V power supply for m zr-2905 and m zr-4605, power 60 W, input voltage 100–240 V AC 50/60 Hz with connector for Terminal box S-G05
68 01 03 00	external 24 V power supply for m zr-7205, m zr-6355 and m zr-7255, power 70 W, input voltage 100–240 V AC 50/60 Hz with connector for Terminal box S-G05

Micro annular gear pumps (and housings) are protected by assigned patents: DE 198 43 161 C2, EP 1115979 B1, US 6,520,757 B1, EP 852674 B1, US 6,179,596 B1, EP 1354135, US 7,698,818 B2. Patents pending: EP 1807546, DE 10 2009 020 942.5-24, DE 10 2011 001 041.6. In the US, Europe and Japan additional patents are pending. m zr®, MoDoS®, µ-Clamp® are registered German trademarks of HNP Mikrosysteme GmbH.